APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/608,208	06/30/2003	Jun Yoshida	500.42881X00	7656

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ART UNIT	PAPER NUMBER
2193	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/09/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

PTOL-90A (Rev. 10/06)

	Application No.	Applicant(s)
Office Action Summary	10/608,208	YOSHIDA ET AL.
	Examiner	Art Unit	
	Insun Kang	2193	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>10 January 2007</u>.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-8</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-8</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1. This action is responding to amendment filed on 1/10/2007.

2. As per applicant's request, claims 1, 2, 7, and 8 have been amended. Claims 1-8

are pending in the application.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4.   Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Stelting

(US Pg. Pub. 2004/0030740).

Per claim 1:

Stelting discloses:

- making said computer read from work flow definition information of a storage unit, set

kinds of screens in a source and destination, and a display flow of said screens, in

accordance with a relationship between source and destination work flow definition

information for producing screen flow definition (i.e. "the user interface ...may utilize a

GUI wizard to display an input box ...requesting at input portion ...the operator to enter

a name for the *new Web service* and requesting a description of the new Web service

in input portion 320 of box 300," page 5, 0034; *"input and output mapping information* is

received ...*for each input and output for each of the selected services,"* page 5, 0037;

0035; 0029; Fig 6; "It displays the *data type for the input 576, 586 and output 593*

values. It prompts the developer for a first input at box 574, for the source 578 of the

data, and the value 580. Likewise, the GUI window 570 prompts the developer for a

second input at box 584," 0037), and store said screen flow definition information into

said storage unit in accordance with said read setting (i.e. see Fig 6; "applying any

selected configurations to the selected services...rules...Memory...is provided

for...storing located services," 0030; 0029; 0037; 0026; 0027); in accordance with said

screen flow definition information and work-to-service correspondence definition

information stored in said storage unit in advance and indicating correspondence of

each work to a program providing each service used in said work, creating an

input/output screen for executing a program providing said service corresponding to

each work (i.e. "a GUI window 570 displays the inputs and outputs for a service," 0037)

; and outputting an execution result of said program providing said service using said

input/output screen in accordance with said screen flow definition information and said

work-to-service correspondence definition information (i.e. "a GUI window 570 *displays*

the inputs and outputs for a service," 0037; "A service selection and configuration

module 138 is included allow an operator...to select from the available services located

by the service detector a number of services for inclusion in the new Web

service...selecting services, the service and selection module 138 allows the operator

to select the order or relationship of the selected services within the new Web

services...such as order of performing the various services," 0029; 0026; 0027; Fig 6;

0034).

Per claim 2, this claim is another version of the claimed method discussed in

claims 1, wherein all claim limitations also have been addressed and/or covered in cited

areas as set forth the above.

Per claim 3:

The rejection of claim 2 is incorporated, and further, Stelting teaches:

-reading each line of said work flow definition information, and adding each line to said

screen flow definition information for each source work, said added line having an input

screen of a source work, said source work and an output screen of said source work

correspondingly to a source screen, a work and a destination screen respectively (i.e.

Fig 6); adding a line having an output screen of a source work and a branch selection

screen as said source screen and said destination screen respectively and a line

having a branch selection screen and an input screen of said destination work as said

source screen and said destination screen when a source work in a next line of said

work flow definition information is the same as that in said current line (i.e. "In addition

to selecting services, the service and selection module 138 allows the operator to

select the order or relationship of the selected services within the new Web service

(such as order of performing the various services and allow nesting and other

relationships between the selected services...may involve a more complex or

sophisticated sequence of calls... a service call language can be utilized within the

Web services developer system 130 that supports additional behaviors such as

conditional execution, branching, and flow control statements in the new Web service,"

0029); and adding a line having an output screen of a source work and an input screen

of a destination screen as said source screen and said destination screen to thereby

create said screen flow definition information when said source work in said next line of

said work flow definition information is not the same as that in said current line(i.e.

0026; 0027; 0029; Fig 6; 0034).

Per claim 4:

The rejection of claim 2 is incorporated, and further, Stelting teaches:

-reading each line of said screen flow definition information; when said source screen

is an input screen, adding names of input data and text fields thereof to said input

screen in accordance with said work-to-service correspondence definition information;

when there are a plurality of corresponding service components(i.e. "a GUI window 570

displays the inputs and outputs for a service," 0037; "A service selection and

configuration module 138 is included allow an operator...to select from the available

services located by the service detector a number of services for inclusion in the new

Web service...selecting services, the service and selection module 138 allows the

operator to select the order or relationship of the selected services within the new Web

services...such as order of performing the various services," 0029; 0026; 0027; Fig 6;

0034), adding a combo box and a button to said screen, said combo box being

provided for selecting a service component name, said button being provided for

executing a request; when said source screen is a branch selection screen, adding

buttons to said screen, said buttons being provided for moving to said destination

screen; and when said destination screen is an output screen, adding names of output

data and text fields thereof to said output screen, adding text fields for displaying

performance evaluation results or reliability evaluation results to said screen, and

adding a button to said screen for moving to a next screen, in accordance with said

work-to-service correspondence definition information (i.e. "The user interface may

utilize any number of well-known graphical user interface (GUI) devices such as dialog

boxes, pull down lists with selectable items, and buttons and even use touch screens

and audio interfaces for receiving input," 0027; "A service selection and configuration

module 138 is included allow an operator...to select from the available services located

by the service detector a number of services for inclusion in the new Web

service...selecting services, the service and selection module 138 allows the operator

to select the order or relationship of the selected services within the new Web

services...such as order of performing the various services," 0029; Fig 5-7; 0034).

Per claim 5:

The rejection of claim 2 is incorporated, and further, Stelting teaches:

-allowing a user to transmit a request including input data and a service name to a

screen flow control portion through an input screen (i.e. "The input box 400 further

includes navigation/input buttons 430, 440, 450, and 460 to allow the developer to

move within the process 200 such as to steps 220 and 236," 0036); making said

screen flow control portion read a line from said screen flow definition information

correspondingly to said input screen from which said request is transmitted, judge

whether there is a work in said line or not, and call a service calling portion when there

is a work; receiving said request, making said service calling portion call a service

component (i.e. "At 236, the process 200 continues with prompting the developer for

selection of one or more of the identified and reported available services for inclusion in

the new Web service or to make available as Web services. As shown in FIG. 5, an

input box 500 is provided with an available services portion 510 listing the available

services that can be included in the new Web service, such as by selecting service in

the box portion 510 and selecting the "ADD" button 514. Services that have been

selected for inclusion in the new Web service are shown in box portion 520 under the

name or identifier of the new Web service," 0036) and storing an execution result of

said service component into a shared data storage portion; and making said screen

flow control portion call a destination screen from said screen flow definition

information, embed information including said execution result into said destination

screen, and display said destination screen to said user (i.e. " such services are shown

in the order they are to be invoked, and in some embodiments, the input box 500 (and

service selection and configuration module 138) are adapted to allow the developer to

reorder the selected services in box portion 520 and to nest or otherwise define the

hierarchy or relationship between the selected services. Navigation buttons

530, 540, 550, and 560 are provided to allow the developer to move within the

process 200 or to terminate the process 200. At 240, the service selection and

configuration module 138 receive the input from the developer indicating which

of the available services are to be included (and in which order) in the new

Web service," 0036; 0026; 0027; 0029; Fig 6; 0034).

Per claim 6:

The rejection of claim 2 is incorporated, and further, Stelting teaches:

said service component is called through a network (i.e. "Web service," 0026).

Per claim 7:

Stelting discloses:

-means for receiving work flow definition information indicating a flow among works,

setting kinds of screens in a source and destination, and a display flow of said

screens, in accordance with a relationship between source and destination work flow

definition information for producing screen flow definition, and creating said screen flow

definition information (i.e. "the user interface ...may utilize a *GUI wizard to display an*

input box ...requesting at input portion ...the operator to enter a name for the *new Web*

service and requesting a description of the new Web service in input portion 320 of box

300," page 5, 0034; "*input and output mapping information* is received ...*for each input*

and output for each of the selected services," page 5, 0037; 0035; 0029; Fig 6; "It

displays the *data type for the input 576, 586 and output 593* values. It prompts the

developer for a first input at box 574, for the source 578 of the data, and the value 580.

Likewise, the GUI window 570 prompts the developer for a second input at box 584,"

0037); means for receiving said screen flow definition information and work-to-service

correspondence definition information indicating correspondence of said works to said

service components (i.e. "a GUI window 570 displays the inputs and outputs for a

service," 0037; 0026; 0027; 0029; Fig 6; 0034), and creating an input/output screen for

executing a service component corresponding to each work; and means for verifying a

combination of said service components by use of said work-to-service correspondence

definition information, said created screen flow definition information and said

input/output screen(i.e. "A service selection and configuration module 138 is included

allow an operator...to select from the available services located by the service detector

a number of services for inclusion in the new Web service...selecting services, the

service and selection module 138 allows the operator to select the order or relationship

of the selected services within the new Web services...such as order of performing the

various services," 0029; 0026; 0027; Fig 6; 0034).

Per claim 8, it is the computer-readable storage medium version of claim 1,

respectively, and is rejected for the same reasons set forth in connection with the

rejection of claim 1 above.

Response to Arguments

5.   Applicant's arguments filed on 1/10/2007 have been fully considered but they are

not persuasive.

Applicant states that: 1) Stelting does not disclose setting a display flow of screen and use of screen flow definition information.

In response to the above statement 1): Stelting discloses a service selection module and configuration module to "allow an operator...to select from the available services located by the service detector a number of services for inclusion in the new Web service...The selection module allows the operator to select the order or relationship of the selected services within the new Web services...such as order of performing the various services," 0029). The order or relationship (flows) of the Web services is displayed for selection.

Applicant states that: 2) Stelting does not disclose the work-to-service correspondence definition information.

In response to the above statement 2): Stelting discloses that the operator to enter a name for the new Web service and requesting a description of the new Web service in input portion 320 of box 300 (page 5, 0034). The input and output mapping information is received for each input and output for each of the selected services (page 5, 0037; 0035; 0029; Fig 6). The input description (work) for a new Web service (service) and the mapping information correspond to the work-to-service definition information.

Conclusion

6.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

7.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Insun Kang whose telephone number is 571-272-3724.

The examiner can normally be reached on M-R 6:30-5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, MENG AI AN can be reached on 571-272-3756. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO

Customer Service Representative or access to the automated information system, call

800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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